GUPD.P1 Patch Release Bulletin

GSORTS Update Engine, Version:3.3, Date: 21 May 97 (GUPD)

Segment Description

GUPD 3.3 GSORTS Update Engine segment loads the Status of Resources and Training System (SORTS) reference and lookup tables in the Global Command and Control System (GCCS) ORACLE database. The update portion processes United States Message Text Format (USMTF) information to update the SORTS portion of the GCCS database. The segment includes software to flat file the SORTS portion of the GCCS database at any site and the ability to reload the SORTS portion of the GCCS site from another GCCS site. The ability exists to do counts of the SORTS update, reference and lookup table contents. The primary user is GSORTS Operations at the Pentagon. GSORTS Operations receives USMTF traffic from GCCS Automatic Message Handler and processes for distribution to the GCCS sites. The segment connects to GORA table definitions through the ORACLE LISTENER.

Fixes & New Features

The GUPD V3.3 segment corrects the load-geofile script problem.

Known Problems

Known Problems are identified in Attachment 1

Installation Instructions

Step 1: Verify no users are logged onto the GSORTS Oracle database and that the user, gsrtsupd (Pentagon update account) is not logged in

Step 2: Deinstall the following segments:
NONE

Step 3: Verify installation of required segments:
GCCS COE 2.2;
ORACLE Application Server Tools 7.1.4; and
GSORTS ORACLE SERVER 3.2

Step 4: Install GUPD.P1

ost Installation or Configuration Instructions

ONE

Known Problems with GUPD V3.3 Segment

GSPR #	PROBLEM
G60633	It is no longer possible to report a land location that is not registered in GEOFILE by using XXXX geo code that signifies 'unknown location' and providing a set of coordinates in the POINT field. The POINT field used to be both on the D (now ORGLOCN) and the DN1 (now SHIPLOCN) transaction types. POINT in GSORTS is found only on the SHIPLOCN set.
G60635	Documentation for preparing SORTSREP sets needs to include the following: 1). How to prepare a "delete" transaction for any SORTSREP set, and include what the "secondary controls" to perform this function. 2). How to prepare a REMARKS transaction for all SORTSREP sets, showing how to "change" and "delete"; and the format for a REMARKS transaction (i.e. reporting the REMARKS transaction by itself or reporting the transaction after a particular set is reported in a message).
G60710	Exact procedures and applicable software for data base syncronization are required. The exact procedures need to be described and put into a script so that the procedures can be utilized as required. Procedures include which tables to drop/truncate and recreate, which command line arguments to skip the appropriate service, which argument to load the specific service, and when to reload the planstatus data.
G60712	During processing of Army input transactions, the module ms aborted. The input file contained many long columnar sets. This prevents the creation of the matrix for this instance of the update and prevents the creation of the error matrix for this input file.
G60714	USCINCPAC, Peter Cole (DSN (315) 477-7497), reported that the POINT data in the ORGLOCN table for Army units were in error. The data for all Army units that had not been reported on were in the format "12345N123456W" with 3 trailing blanks. The correct format is "123456N 1234567W". The multload.c software needs to be modified prior to the next reload. In addition, an immediate sql solution should be generated.
G60716	The distribution schema and its rationale must be reevaluated. Requirements generated by the GCCS SOP cannot be easily addressed. For example, sending only errors to any organization, tailoring DISTR for DISA processing of direct reported unit data, and processing of DB reviews from units to the JS DB to name a few.

G60719	Mr Crutchfield reported that a unit submitted a MEQLOCN set that was followed by a LABEL/GENTEXT. The MEQLOCN set had several errors and was not distributed. The LABEL/GENTEXT was left in the file for distribution. The results was an OVERALL set that had a LABEL:MEPSD remark following. The error message "LABEL/GENTEXT SETS WERE NOT PROCESSED DUE TO THE ABOVE ERRORS" was not one of the errors for the MEQLOCN set.
G60753	blddistr aborted with a segmentation error processing the update of 11 September 1995. This was the evening update and the error occurred while processng M20360 report 105.
G60754	If the operator selects to obtain a hard copy of the errors.trn file produced during the execution of gsupd.sun, the error messages are printed on every other page, resulting in considerable waste.
G60827	he software module blddistr goes into a continuous loop.
G60868	Three of our units submitted a "Change" OVERALL with the following: OVERALL/S/C/RICDA:960506/TREAD:72HRS/READY:1/REASN:Z/SECRN:RUP// PERSONEL/PRRAT:1/-// EQSUPPLY/ESRAT:6/ESRES:SNM// EQCONDN/ERRAT:6/ERRES:RNM// TRAINING/TRRAT:1/-// Shouldn't the units have gotten an error message since the "Z" can only be used when the Commander upgrades to a C-1 and any one of the measured areas is a 6?
G61037	Software used to support SORTS and GSORTS on the Sun platforms and the WWS does not correctly handle dates for the year 2000 and beyond.
G61038	Sorting units by MAJCOM is difficult, but not impossible. Very few functional users know how to do this though. I limit the MJCOM to 'FFJDL0' and can extract the ACC units from the SORTS database. To make this function more obvious to the users, I would like to see the various MAJCOMs listed in the "Unit Criteria" window right under "All Air Force Units".
G61039	Sorting the output: We need a more complex method of sorting the query output. Ordering the query by the first column is not enough. I require the capability to sort the output by multiple factors (e.g., first by UTC, then by ANAME, then by MJCOM/Component etc.). Excel can do this now. Why can't GIQS? Also, being able to sort and re-sort the query output would be most helpful.
G61040	Under the "Unit Criteria," have the menu set up to mirror the DOC ID table or unit types. Many unit types are missing from the current list. Also, the aircraft types do not match the current Air Force structure. We no longer have "Tactical Fighter Squadrons" and "Fighter Interceptor Squadrons." Who wrote this stuff, some guy that's been in a cave since 1965?

G61044	During testing of parsemtf for ECP96007, the software did not function as described. The message cat: cannot open MSGID, cat: cannot ... was displayed. The test was being ran in the /users/GUPDTST environment.
G61047	Sorting units by Component (active, guard, reserve) has proved to be impossible with GIQS. This is a MUST HAVE capability!!! The interest fields may be helpful if we could make an "OR" statement work.
G61103	During testing of ECP 96008 , one SHIPLOCN set had in the NDEST field the gibberish value of SECT-9-9-MAP-9E. The error message said INVALID GEO COORDS, FORMAT MUST BE DDMMSSHDDDMMSSH. The processor took the 'E' in the input and interpreted it as 'East', and began coordinate format validation.
G61105	Redesign SORTS database updates to use Oracle 7 mirrorring of all sites with the Master SORTS Database. The fix required would be to redesign the current SORTS database processing concept and update the software and supporting processes to support update of the Master SORTS Database and then mirror it out to all GCCS site databases.
G61106	SORTS is required to have a capability to support command center exercises. Create an exercise database for the GCCS environment, modify SORTS processing code to support exercise transactions and handle the requisite date compression algorithms.
G61107	Modify SORTS to utilize Navy ship location data (OTH-Gold information). Change the applicable SORTS modules to look at the applicable JMCIS data locations in the GCCS database for Navy ship location data without actually storing said data in the SORTS database.
G61116	Scripts using ORACLE sqlload aborts with permissions denied. The files under scripts /h/COTS/ORACLE/bin/sqlload, and SQL*Loader doesn't have execute permissions. On checking, all sites did not have execute permissions on the files. Might want to check the install of the Oracle tools to see if it allows execute permission. Per QA, the week before this surfaced, there was not a problem on executing sqlload and sqlldr. Work around is to do a chmod to give execute permissions to these files.
G61132	The "blddistr" had an abort and terminated the "sortsupd.amhs" when it encountered a set from the Air Force with "SORTSREPAF1" in MSGID Set. The system had flagged the set as an error and it was in "error.trn". The abort occurred when "blddistr" attempted to remove the set and it was unable to recognize the set it was removing.

G61133	The "blddistr" and "debuglib" cause an infinite printing loop while trying to isolate "blddistr" processing abort. Run "blddistr -dbg4" with inputs of "vldmtf.trn", "error.trn" and "warning.out". The "blddistr.dbg" file in the SOURCE_DIR continues to grow until the disk runs out of space and system stops processing. The problem caused by non-terminated set, it had no double slash "//" and it was not followed by a "DECL" terminating set.
G61138	On several occasions, a number of messages have made it to their respective "oruic" directory (e.g., /oruic/W0ZUFF). A method needs to be developed so as to be able to track incoming messages from the AMHS to the SCP. This will insure each message received will be processed.
G61155	The Joint Staff and the Armed Services have identified new functionality that will be required within the SORTS application. Currently, when a unit reports a SORTS message from a home site (i.e., MAJCOM), the Report and Message Processor (RAMP) distribution returns the originating (home site) location. That's because there exists a Routing Indicator (RI) and/or Plain Language Address (PLA) for that unit. Now, if that unit deploys temporarily to another site and sends a SORTS message from that deployed location for processing, the deployed unit does not receive a RAMP message back because there is no RI and/or PLA for that unit at the deployed location. Within both the MTF and JRS messages, there are lines of RIs and/or PLAs for AUTODIN (AMHS) that specify the SORTS message origin and destination. Currently the Joint SORTS processor strips these AUTODIN lines out of the messages before processing, thus losing the origin of the message. To determine the destination for the RAMP, the sending unit's UIC is mapped to a RI and/or PLA record for that UIC, returning the RAMP to that unit's previously assigned origin. Not deployed location! The SORTS processor application isn't designed to process these AUTODIN lines, otherwise the risk of Joint database corruption is at a high. Code must be developed to disect a SORTS message, capture the deployed unit's origin portion of the AUTODIN message and use it to return the RAMP distribution back to the original sender's deployed location. Once this is achieved, then the optional decision can be made as to whether a courtesy copy of the RAMP distribution should be sent back to the unit's home location.
G61171	When AMHS receives part of a sectionalized message, it places lines before and after the message that state "Section x missing". These lines are preceded by several greater than signs. These lines are not being removed before the module parsemtf gets them. Parsemtf does not handle these lines and messages are being lost.

G61186	The master GSORTS application does not verify that the agency or unit originating a SORTS report is authorized to report data for the unit(s) in the report; i.e., a report from any source will be processed and posted to the database. Consequently, another MAJCOM has deleted data from AFSPC units. Additionally, Air Force unique data has been posted to some marine units.. Solution/recommendation: Modify the software to verify originators for reports are authorized to submit data for the units in the report. One method to do this for Air Force units would be to verify the SORTUNIT in the report is either the unit's subordinate reporting organization.
G61203	SCP error hold resolution process does not reconcile messages processed against messages in error hold. Example: Current report sequence number is 15. Incoming messages of 16 through 20 are received and placed in error hold flaged as awaiting missing report #15. Next update cycle, incoming messages of 15 through 22 are received and processed. Error hold still contains messages 16 through 20 with error message of need missing report. RAMP for first update cycle sent message indicating msg 16 through 20 in error hold. RAMP for second update cycle send msg indicating Msg 16 through 22 received and processed PLUS message indicating that Msg 16 through 20 are in error hold. Units are now confused and resubmit whole batch of messages which drop into error hold as DUPs and RAMP send msgs with same error hold plus dups. Process should be interactive check against incoming and error hold contents. This WILL slow down processing, but produce gains in error resolution and less operator intervention.
G61222	Within the 'GSORTS' update edit procedure protocal, the only unit that should be able to update a 'UNIT's' SORTS report is RPTOR or SUBRPTOR. These are the Unit Identification Codes (UIC) identified on BIDE and RPTNORG. This function is not working, anyone can submit an update on any unit which creates problems when the Reported UIC (RPTDUIC) is not what was meant to be submitted, such as someone transposing a UIC.
G61254	User reports that their software breaks up outgoing (RAMP) messages so that they are no longer than 488 lines. Occasionally, the software will break a message in the middle or a UIC review so that half the data is in one message and the other half is on another message. In addition, it sends these messages in any order it wishes. Because of this, the receiving comms center will receive data not only split but out of order.
G61255	User reports that every once in a while, when the SCP is started an error will appear stating 'error Q and .MPF file mismatch one or more files deleted'. This causes some problems when trying to fix errors as it creates blank lines within the error que.

G61258	A unit had more than 10 aircraft assigned (authorized) and less than 9 possessed. The equipment on hand percentage was calculated using poss/auth which is correct. AFSORTSDET then calculated equipment condition as avail/poss but the SORTS processor was expecting the unit to use the small equipment table. The error message received was: AMPN/EQREE MUST EQUAL VALUE FROM PERCENTAGE MATRIX FOR NINE OR LESS ITEMS.
G61318	SB50MTF allows a REVIEW Set that does not have a TARGT field to pass through the system. This causes a file to be created in the RAMP directory (for ramp processing) with a filename that not a valid UIC. The message cannot be processed and the REVIEW is not completed.
G61372	ALTYP, FLAG, RESND scrub needs to be applied to SORTS. The fields were retained but identified as spare fields available for use. The reference tables, ALTYP and FLAG, need to be deleted from Database Specification and change applied to source, dataload, and dataload/data. Reference files need to deleted from GORA/cr and field definitions corrected in GORA/siq directory and GSORTS/data/giqs/Schema.
G61395	Attempted TST-119 on Sun for RAMP with uiccom.dat file without plad.dat merged. All messages were identified that "plain language address not found". The test was written when uiccom.dat and plad.dat were two entities. No output traffic is produced, Segmentation fault error on "fgets" in RAMP at line 2655.
G70003	At the SORTS URP (21-22 Mar 96), the Navy requested and the URP voted approval to configure SORTS to accept the Navy SORTS Reason Code convention to retain the Navy's more specific reason definitions. The Navy recommends that Joint Reason Codes be standardized to the Navy's schema.
G70010	Lack of historical capability within GSORTS application. Current historical capability is offline and requires manual intervention to transfer file from GCCS platform. Files must be created by JSSC Operations staff (WEY222) and passed to POC30 @ HQ, USMC.
G70011	The Army SORTS (ASORTS) system handles the Validation transaction in a cycle from the 18th of Month A to the 10th of Month B. As such, ASORTS sets the RICDA for that unit to the 15th of Month A whenever a VALID is submitted. J38 requires that the Joint SORTS processor implement a change that supports the Army's processing methodology for Validation transactions--but only for Army units. Any VALID submitted from any non-Army unit will continue to be accepted and processed as they are currently.
G70017	XSM Retransmit Message does not work with the AMHS messages. The JSSC operators are forced to manually retransmit messages from the archive directory.

G70035	SORTS Update (sortsupd) at all GCCS sites produced "Segmentation Fault - core dumped" with program /h/GUPD/data/source/errmtf. Message reads: ERROR:program:/h/GUPD/data/source/errmtf FAILED with .139 code The software is trying to convert N0220 error into English equivalent.
G70059	A discrepancy has been found in the 'rec407.pc' file. There are two update dates functions. One is 'update_asi_shrtg_date' that updates the ARMY_STAT_RPT_DATE in the OVERALL record. The other is 'update_asishrtg_date' that updates the ARMY_STAT_RPT_DT in the UN_RPTD_ASI_SHRTG record. When the 'VALID' option is used on the RPTDUIC line, the update process aborts.
G70060	When an Army error is encountered in the update process, the error message is to be produced but the transaction is to be distributed if there are no Joint errors found. The software module blddistr.c removes the transaction that caused the error, but leaves any remarks that may accompany that record--thus leaving fragmentary and hanging remarks in the database.
G70091	A lot of time is spent creating messages to interested commands that are not sent out by ramp. If the word EXCLUDE is found in the unit's Routing Indicator Code, the message is deleted and not transmitted. There are over 100 units in the uiccom.dat file used by operations. Especially during the processing of Army reports, huge files are created for CINCS and interested commands that are not transmitted. These units should be removed from the distr_addr table prior to execution of sb23 and sb24 (delete, dumps, and transactions). If this was accomplished, the data would not be created.
G70097	SORTS processing and user interface code must be modified to link to a single instance of the PORTS reference table in GCCS. For more details refer to ECP #96029 which corrected this problem for TUCHA and GEOFILE.
G70098	SORTS processing and user interface code must be modified to link to a single instance of the APORTS reference table in GCCS. For more details, refer to ECP #96029 which corrected this problem for TUCHA both GEOFILE.
G70099	Using XSM, there is a problem when a user selects a function that brings up an xterm windows that requires user input. The problem occurs when a user types something in the xterm window and then press the backspace/delete key to correct a type-o or something. When the text is displayed in the text area of XSM, the backspace/delete character is displayed. In other words all character typed will be displayed on the text area.

G70115	The Bump Counter Pop window is not displayed correctly the second time its displayed. The second time the window is displayed, the separator bar is at the top and the "Keep" & "Cancel" buttons stretch from the separator bar to the buttom of the screen. The four fields used to bump the values are scrolled off the top of the pop window. To work around the problem vertically resize the bump counter window until the four fields are visible, enter bump values. After doing that, if you call the bump counter a third time the Keep and Cancel buttons will be the length of the resized window. To work around that problem just vertically reduce the size of the bump counter window, cancel out and follow the first work around.
G70154	The software modules sb20.c, sb23.c, sb24.c, and blddistr.c are part of the distribution scheme to insure that other databases are kept current. This was the process used when many sites around the globe were processing initial input from reporting units. Now that sites are only reporting to the site located in the Pentagon (TXNCR2), there is absolutely no requirement or need for database deletes and dumps for interested commands (sb23) or transaction distribution (blddistr and sb24). Recommend removing the following modules from the script sortsupd.amhs: sb20.c, sb23.c, sb24.c, and blddistr.c. The only distribution that would be left is errors, received and processed reports, and database reviews.
G70181	When the Comms Processor determines that a message has a format error, one of several messages are produced. The most frequent are SET NAME ILLEGAL, MISSPELLED, OR OUT OF ORDER and SET HAS TOO MANY FIELDS . The message that is created by errhldmsg that is distributed to the originator contains a SORTUNIT// set, the AMPN/ SORTUNIT SET followed by the error. HQMC is unable to determine the originator, or the problem with the data supplied.
G70182	XSM does not have an interface for running the scripts to upload JOPES OPLAN data into PLANSTATUS.